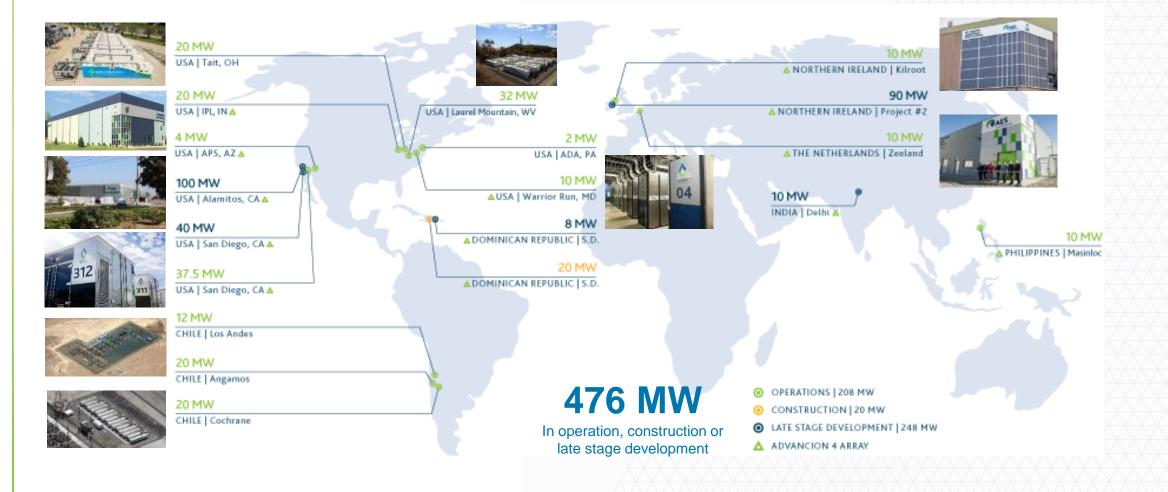


# Grid-scale energy storage is happening all over the world





# AES has a decade of real world experience with grid-scale storage

### 436 MW

In operation, construction or late stage development















Los Andes













































### Renewable Integration

Solving peak energy demand through solar + storage in Hawaii







## Grid scale energy storage delivers a clean, unbreakable grid

Latest Li-Ion battery technology used to store and release energy into the electric grid











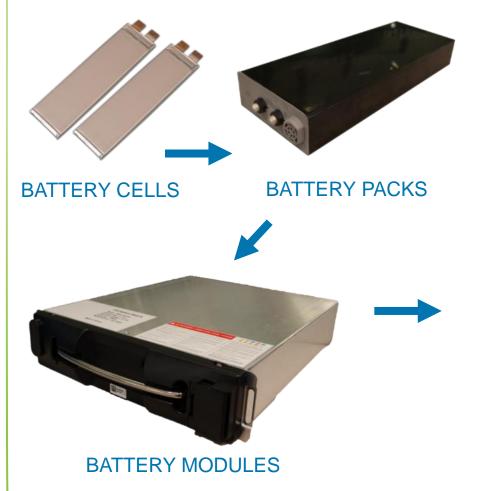








# Core components & systems available today; ready to scale







**ADVANCION NODES** 

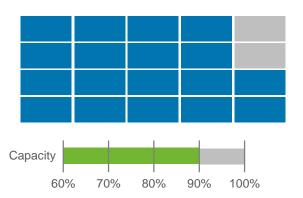


## Advancion® 4 provides industry leading serviceability and reliability

### **Conventional battery string versus Advancion Array**

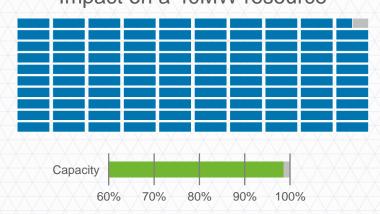


4MW CONVENTIONAL BATTERY STRING: Impact on a 40MW Resource





**80KW ADVANCION NODE:** Impact on a 40MW resource





### Advancion® nodal architecture solves the problem of technical obsolescence

- Advancion arrays are built with space to grow.
- When the need arises, the latest battery technology can be incorporated into the array, and function seamlessly with existing components.





### Proven solution for multiple applications

#### **Enhancing grid efficiency and reliability**

#### **SEGMENT**

#### **OFFERED SOLUTIONS**



1. Generation Alternatives

- 1. Capacity Release
- 2. Frequency Regulation/Ancillary Services
- 3. Flexible Peaking Power
- 4. Renewables Integration



2. T&D Alternatives

- 5. Capacity Release
- 6. Investment Deferral, Replacement



20 MWi Angamos, Chile



3. Commercial & Industrial

7. Demand-charge Management & Reliability



